Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Saturday 18 Dec 2021 until 23:59 on Sunday 19 Dec 2021

Forecast Issued on Saturday 18 Dec 2021 at 03:07

Confidence: High for settled and largely dry conditions but lower for cloud details.

Headline for Saturday 18 Dec 2021: Widespread low cloud. Some summits, especially in west, clearer. Winds easing.

Mountain weather hazards on Saturday 18 Dec 2021

Blizzards No Likelihood	**Heavy Snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** No Likelihood	**Poor visibility** High Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
FOG	FOG				
Fog	Fog	Sunny	Sunny	Clear night	Clear night
Precipitation probability					
<05%	<05%	<05%	<05%	<05%	10%

Forecast for Saturday 18 Dec 2021

Weather: Dry with widespread cloud over low slopes likely to persist through much of the day. However areas of the highest ground above about 500-600m, particularly in the west, will reach above the strong temperature inversion and are likely to see almost unbroken sunshine at times, particularly later in the day.

Chance of cloud free mountain/hill tops above 600m: Around 20% in east but nearer 60% in west

Visibility: Rather hazy below the widespread cloud with bases down towards 100m in places, giving some very poor visibility at times on the lower slopes. However areas of the highest ground above about 500-600m, particularly in the west, will increasingly reach above the strong temperature inversion and will see very good visibility.

Check our weather forecast every day to get the most accurate and up to date information
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Forecast for Saturday 18 Dec 2021

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	15/23 SE	14/19 SE	9/14 SE	8/11 SE	6/10 SE	5/9 S	4/7 S
300	8/13 E	6/11 E	5/7 SW	4/6 S	4/6 SW	3/5 S	2/4 NE
Valley	4/7 E	6/12 E	4/6 NW	2/6 S	4/5 NW	2/3 N	2/3 W

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	8/4	8/4	8/6	9/7	8/7	8/7	8/7
300	6/4	6/4	6/5	6/5	5/4	4/3	3/2
Valley	6/4	6/4	6/4	5/4	4/2	3/2	3/2
Freezing Level*	2100m	2000m	2000m	2000m	2000m	1900m	1800m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

A strong temperature inversion through the day with some clear skies above the widespread low cloud, and conditions somewhat milder on the highest ground, particularly into the evening.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Sat 18 Dec 2021	0.4mm	0.6mm	0.6mm

Forecast for Sunday 19 Dec 2021

Weather: Similar to Saturday, generally quite a lot of cloud and fog over lower slopes, but, once again above the inversion, skies clear with almost unbroken sunshine by day.

Maximum wind: Variable, mainly easterly or northeasterly, 10mph or less

Chance of cloud free mountain/hill tops above 600m: 80%

Visibility: Rather hazy in places with areas of cloud below about 100-200m and visibility poor at times on the lower slopes, but for the highest parts visibility generally excellent.

Temperature: **Valleys:** Around plus 3 or 4 Celsius, perhaps lower in any persistent fog.
At 600m: Plus 7 or 8 Celsius
Freezing level: Above the summits

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